

AMENDMENTS TO THE SPECIFICATION

Please replace the section on page 180 entitled "Example 71" with the following:

Cell Free Inhibition Assay utilizing APP-KK

B1
The synthetic APP substrate, Biotin-KVEANY-EVEGERC(oregon green)KK (SEQ ID NO:1), having N-terminal biotin and made fluorescent by the covalent attachment of oregon green at the Cys residue was used. The N-terminal biotin is used to anchor the peptide to a substrate assay plate. Incubation was conducted under the following conditions: 10 μ M APP substrate; 50nM enzyme (hAsp2a), pH 4.5, 37°C, for 2 hours. Activity of the β -secretase enzyme is detected as the loss of oregon green fluorophore, on the opposite side of the cleavage site from the Biotin anchor is released on cleavage of the substrate.

Incubation in the presence or absence of compound inhibitor demonstrates specific inhibition of β -secretase enzymatic cleavage of its APP substrate.

Please replace the paragraphs extending from page 180, line 24 to page 180, line 26 with the following:

B2
The P26-P4'sw substrate is a peptide of the sequence:
(biotin)CGGADRGLTTRPGSGLTNIKTEEISEVNLD AEF (SEQ ID NO:42).

The P26-P1 standard has the sequence:
(biotin)CGGADRGLTTRPGSGLTNIKTEEISEVNL (SEQ ID NO: 23).

Please replace the paragraph extending from page 182, line 6 to page 182, line 9 with the following:

B3
By way of example, one such peptide has the sequence SEVNL DAEF (SEQ ID NO: 34), and the cleavage site is between residues 5 and 6. Another preferred substrate has the sequence ADRGLTTRPGSGLTNIKTEEISEVNLD AEF (SEQ ID NO: 45), and the cleavage site is between residues 26 and 27.